

# Recombinant Full Length Human HDAC8 Protein, GST-tagged

Cat. No. HDAC8-3427HF Lot. No. (See product label)

## SPECIFICATION

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| <b>Product Overview</b> | Human HDAC8 full-length ORF ( AAH50433, 1 a.a. - 377 a.a.) recombinant protein with GST-tag at N-terminal.   |
| <b>Species</b>          | Human  |
| <b>Source</b>           | In Vitro Cell Free System  |
| <b>ProteinLength</b>    | 377 amino acids  |
| <b>Description</b>      | Histones play a critical role in transcriptional regulation, cell cycle progression, and developmental events. Histone acetylation/deacetylation alters chromosome structure and affects transcription factor access to DNA. The protein encoded by this gene belongs to class I of the histone deacetylase/acuc/apha family. It has histone deacetylase activity and represses transcription when tethered to a promoter.<br>[provided by RefSeq] |
| <b>Molecular Mass</b>   | 66.99 kDa  |
| <b>AA Sequence</b>      | MEEPEEPADSGQSLVPVYIYSPEYVSMCDSPAKIPKRASMVHSLIEAYALHKQMRIV<br>KPKVASMEEMATFHTDAYLQHLQKVSQEGDDDHPDSIEYGLGYDCPATEGIFDYAA<br>AIGGATITAAQCLIDGMCKVAINWSGGWHHAKKDEASGFCYLNDAVLGILRLRRKFE<br>RILYVDLDLHHGDGVEDAFSFTSKVMTVSLHKFSPGFFPGTGDVSDVGLGKGRYYSS<br>VNVPIQDGIQDEKYYQICESVLKEVYQAFNPKAVVLQLGADTIAGDPMCSFNMTVPVGI<br>GKCLKYILQWQLATLILGGGGYNLANTARCWTYLTGVILGKTLSSSEIPDHEFFTAYGP<br>DYVLEITPSCRPDNRNEPHRIQQILNYIKGNLKHVV                              |

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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| <b>Applications</b>     | Enzyme-linked Immunoabsorbent Assay<br>Western Blot (Recombinant protein)<br>Antibody Production<br>Protein Array       |
| <b>Notes</b>            | Best use within three months from the date of receipt of this protein.  |
| <b>Storage</b>          | Store at -8 centigrade. Aliquot to avoid repeated freezing and thawing.   |
| <b>Storage Buffer</b>   | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.  |
| <b>GENE INFORMATION</b> |   |
| <b>Gene Name</b>        | HDAC8 histone deacetylase 8 [ Homo sapiens ]  |
| <b>Official Symbol</b>  | HDAC8   |
| <b>Synonyms</b>         | HDAC8; histone deacetylase 8; HDACL1, histone deacetylase like 1; RPD3; histone deacetylase-like 1; HD8; CDA07; HDACL1; |
| <b>Gene ID</b>          | 55869   |
| <b>mRNA Refseq</b>      | NM_001166418  |
| <b>Protein Refseq</b>   | NP_001159890  |
| <b>MIM</b>              | 300269  |
| <b>UniProt ID</b>       | Q9BY41  |

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